43061 9303L755-WES-1045

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Westinghouse Hanford Compan	NONCO	NFORMANC	E REP	ORT	1. Page	QA Log No.	1936
3. P. O., W. O., or Job	4. System/End Use	5. Item	/Materia		6. Dwg.,/Spec./	Other No.	7. Rev.
Control No. N/A	RI/FS	SA	MPL	ES	SEE DES	CEIPTION	NA
8. Program/Project/Other				9. Safety Class	10. ASME Code	items Yes	X No
100-IU.	- <i>5</i>			NIA	(If yes, notify au	thorized inspector)	
11. Supplier Name/Address	3				12. Notification	of Potential Occurer	nce Required
ENVIRUNMEN	ITAL FIELD SA	ICES	[□ Yos \\ No			
13. Code: Lot/Heat/Serial	14. Lot Size	15. Sample		16. Qty. Acc.	17. Inspection	Criteria	
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18. Item 19. Description	of Nonconformance (list s	erial no. where ap	olicable)	22. 0		cation, and Instruction	
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20. Originator's Signature		Date	23. D	esign Document C	hange Required?		
			\ _	Yes, Doc. No			
21. Cognizant QA Manag	or's Signature	Date	24. C	orrective Action R	equired?		
				Yes, No			
25. Cognizant Enginee	r Date :	26. Technical Rep	<u> </u>	Date	Signature/Or		Date
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## ROY F. WESTON, INC. LIONVILLE ANALYTICAL LABORATORY ANALYTICAL CASE NARRATIVE



Client: WESTINGHOUSE HANFORD

**W.O.** #: 06168-002-001-9999-00

Date Received: 03-02-93

**INORGANIC** 

**RFW#**: 9303L755

RECORDORY

The following is a summary of the quality control results and a description of any problems encountered during the analysis of this batch of samples:

- 1. All sample holding times as required by 40CFR136 were met.
- 2. All preparation blank results were below the required detection limit.
- 3. All calibration verification checks were within the required control limits of 90-110%. Calibration verification is performed using independent standards.
- 4. Matrix spike recoveries are summarized on the Inorganic Accuracy Report contained within this document. All recoveries were within the 75-125% guidance limits. All %RPD were within the 20% guidance limit.
- 5. Replicate results are summarized on the Inorganic Precision Report contained within this document. All results were within the 20% RPD guidance limit with the exception of Hardness.
- 6. The analytical methods applied by the laboratory, unless otherwise requested, for all inorganic analyses are derived from the USEPA Method for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020), Standard Methods for the Examination of Water and Wastewater 16 ed. and Test Methods for Evaluating Solid Waste (USEPA SW846).

J. Peter Hershey, Ph.D. Laboratory Manager

Lionville Analytical Laboratory

3.25.93

Date

## ROY F. WESTON INC.

## INORGANIC DATA SUMMARY REPORT 03/24/93

CLIENT: WESTINGHOUSE HANFORD

WESTON BATCH #: 9303L755

WORK ORDER: 06168-002-001-9999-00

					REPORTING
SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	LIMIT
======				=====	========
-001	B07Q13	% Solids	98.2	8	0.10
		Hardness	163	MG/KG	20.4

Work Order # <u>ΟυΙυά - ΟΟΘ - ΩΟΙ - ΓΙΟΡΙ</u>Ω - (Χ.) Solid 10 Liquid Volume Project Contact/Phone # _ 30 Solid AD Project Manager JOSIC FOLLOYOS Preservatives INORG ORGANIC QC CLO Del CLO TAT 35 days **ANALYSES** Date Rec'd 3000 Date Due Account # U.S. + 1/1 VOCT Herb REQUESTED **WESTON Analytics Use Only** MATRIX Matrix THE CODES: QC Date Time Lab Client ID/Description Matrix Chosen S - Soil Collected Collected **(V)** SE - Sediment SO - Solid MS MSD St. - Sludge 47/00 104-907-901 100111207013 W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L. EP/TCLP Leachate WI - Wipe X - Other F - Fish FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS DATE/REVISIONS: **WESTON Analytics Use Only** Special Instructions: Samples were: COC Tape was: 1) Shipped ___ or 1) Present on Outer Hand Delivered ____ Package Y or N Airbill #___ 2) Unbroken on Outer 2) Ambient or Chilled Package Y or N 3) Received in Good 3) Pesent on Sample Condition Nor W Y or N 4) Labels Indicate 4) Unbroken on COGINAL REWRITTEN Properly Preserved Sample Y or N

Received

_____L375

Date

_____ L377

Time

Relinquished

by

L373

Y or N

Y or N

5) Received Within

Holding Times

Ref# Cooler#

**COC Record Present** 

Y or N

381-596a

Upon Sample Rec't

Discrepancies Between

COC Record? Y or N

Samples Labels and

NOTES:

**Custody Transfer Record/Lab Work Request** 

Liquid

Refrigerator #

#/Type Container

WESTON Analytics Use Only

Est. Final Proj. Sampling Date ___

Relinguished

RFW 21-21-001/A-7/91

Received

bv

603619h

Date

3643

Time

Client WEXIMOUSE HONFORD

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<u> </u>		tinghouse ford Company		SAMPLE ANALYSIS REQUEST C of C # 2805			
Collector	RZ_S	TEFFLER		Date 12-7-92			
Company Co	ontact	JILL FRAI	N/RON_	MITCHELL Telephone ( 509 ) 376-8941			
Sample Number	*	Date Collected	Time Collecte	Number and Type of Sample Containers/Analysis Desugeted			
B07Q13	S	12-7-92	1005	(1) 250ml. plastic TAL METALS (CLP)			
	/			(1) 250ml. plastic ANIONS, F, CL, SO4, PO4 (EPA 300.0)			
				NO2.NO3 (EPA 353.2) AMMONIA (EPA 350.2) pH (9040)			
_	$\Box$			(1) 250 ml. plastic ICP METALS FOR Zr. (6010)			
				(1) 125 ml. amber glass VOA (CLP)			
				(1) 250 ml. amber glass SEMI VOA (CLP)			
	_/		/	(1) 250 ml. amber glass TPH diesal range (8015M)			
				(1) 250 ml. amber glass TPH heavier than diesal range			
/				(8015M)			
				(1) 250 ml. plastic CALCIUM CARBONATE (EPA 130.2)			
$\underline{\hspace{1cm}}$	$  \psi  $			(1) 1000 ml. glass GAMMA SPEC. (RC-30)			
				المارين			
	S			(1) 1000 MT. grass GAMMA SPEC. (RC-30)  (N) 250 ml. plastic TAL METALS (CLP)			
				(1) 259 ml. plastic ANIONS F.Cl.SOS PO4 (EPA 300.0)			
				NO2,NOS (EPA 353.2) AMMONIA (EPA 350.2) pH (9040)			
				(1) 250 ml. plastic ICP METALS for Zr. (6010)			
				(1) 125 ml. amber glass VOA (CLP)			
				(1) 250 ml. amber glass SEMI VOA (CLP)			
				(1) 250 ml. amber glass TPH diesal range (8015M)			
			1	(1) 250 ml. amber glass TPH heavier than diesal range			
				(8015M)			
				(1) 250 ml. plastic CALCIUM CARBONATE (EPA 130.2)			
				(1) 1000ml, glass GAMMA SPEC. (RC-30)			
*Type of Sample A = Air L = Liquid SE = Sediment T = Tissue X = Other  DL = Drum Liquids O = Oil SL = Sludge W = Water  DS = Drum Solids S = Soil SO = Solid WI = Wipe							
Field Information SAF # 92-400							
Special Har	Special Handling and/or Storage SAMPLES TO MAINTAIN 4 DEGREES C. PRIOR TO ANALYSIS.						
Possible Sample Hazards <u>UNKNOWN NOTHING DETECTABLE WITH FIELD INSTRUMENTS</u>							
				A-6000-406 (06/91)			

	15	92121005	-
Westinghouse Hanford Company		CHAIN OF CUSTODY	002805
Custody Form Initiator RZ. Stef	fler Rm Amold		
Company Contact JM Frain	<u> </u>	Telephone (50	9) 376-8941
Project Designation/Sampling Locatio	ns White Bluff	Collection Date	
Pickling Acid Crib 100-	-IU-5 SAF # 92-	400	
ice Chest No.		 Field Logbook N	o. EFL 1060
Bill of Lading/Airbill No.		No	
Method of Shipment Emery A	ir Express Over		
Shipped to Weston		mgra venirer j	
Possible Sample Hazards/Remarks	1) know		
Possible sample Hazards Remarks	/ANNOWA		
Field Transfer of Custody	CHAIN OF POSSESSION	(Sig	n and Print Names)
Relinquished by: RZ Steffler	Received by:	Date/Time:	
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Description	Offinersions Total Pieces Total We	FOR INFORMATION OF CALL 1-800 44 EN	RATES Declared Value
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